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HUMAN CREMATORY  
AIR GENERAL PERMIT  
REGISTRATION INFORMATION

DIVISION OF AIR  
RESOURCE MANAGEMENT

Facility Identification Number (If known) April 2012 Renewal – 2 Human Units

1070029: Current Permit No. 1070029-006-AG (expires 06/08/2012) – This Re-Registration is for two (2) existing human crematory units. The facility also has one (1) existing animal crematory unit under Animal Crematory Air General Permit No. 1070029-007-AG (expires 06/08/2012).

Registration Type

1070029-008

Check one:

INITIAL REGISTRATION - Notification of intent to:

- Construct and operate a proposed new facility.
- Operate an existing permitted facility not currently using an air general permit (e.g., a facility proposing to go from an air operation permit to an air general permit). If the facility currently holds one or more air operation permits, such permit(s) must be surrendered by the owner or operator upon the effective date of this air general permit. (See "Surrender of Existing Air Operation Permit(s)" below.)
- Operates an existing facility not currently permitted or using an air general permit.

RE-REGISTRATION (for facilities currently using an air general permit) - Notification of intent to:

- Continue operating the facility after expiration of the current term of air general permit use.
- Continue operating the facility after a change of ownership.
- Make an equipment change requiring re-registration pursuant to Rule 62-210.310(2)(e), F.A.C.
- Any other change not considered an administrative correction under Rule 62-210.310(2)(d), F.A.C.

Surrender of Existing Air Operation Permit(s) - For Initial Registrations Only, if Applicable

All existing air operation permits for this facility are hereby surrendered upon the effective date of this air general permit; specifically permit number(s):

N/A

General Facility Information

Facility Owner/Company Name (Name of corporation, agency, or individual owner who or which owns, leases, operates, controls, or supervises the facility.)

Southern Crematory, Inc.

Site Name (Name, if any, of the facility site; e.g., Plant A, Metropolis Plant, etc. If more than one facility is owned, a complete registration must be submitted for each.)

Watts Funeral Home

Facility Location (Physical location of the facility, not necessarily the mailing address.)

Street Address: 720 S. Hwy 17

City: San Mateo

County: Putnam

Zip Code: 32187-2312

Facility Start-Up Date (Estimated start-up date of proposed new facility.)(N/A for existing facility.)

N/A

FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION  
2012 APR 25 PM 12:09  
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REVENUE

**1070029-006-AG – 2012 Renewal**

**Facility Contact**

Name and Position Title (Plant manager or person to be contacted regarding day-to-day operations at the facility.)

Print Name and Title: **John Harris, Director of Cremations**

Facility Contact Telephone Numbers

Telephone: **(386) 328-1414**

Fax: **(863) 328-1515**

Cell phone: **(386) 937-1919**

E-mail:

Facility Contact Mailing Address

Organization/Firm: **Southern Crematory, Inc**

Mailing Address: **720 S. Hwy 17**

City: **San Mateo**

County: **Putnam**

Zip Code: **32187**

**Other Contact/Representative (to serve as additional Department contact)**

Name and Position Title

Print Name and Title: **Mr. Lynn Robinson, P.E., Permitting Manager**

Other Contact/Representative Telephone Numbers

Telephone: **(813) 752-5014**

Fax: **(813) 752-2475**

Cell phone: **(813) 957-8804**

E-mail: **lrobinson@sesfla.com**

Other Contact/Representative Mailing Address

Organization/Firm: **Southern Environmental Sciences, Inc.**

Mailing Address: **1204 North Wheeler Street**

City: **Plant City**

County: **Hillsborough**

Zip Code: **33563**

**Government Facility Code (check only one)**

- Facility not owned or operated by a federal, state, or local government.
- Facility owned or operated by the federal government.
- Facility owned or operated by the state.
- Facility owned or operated by the county.
- Facility owned or operated by the municipality.
- Facility owned or operated by a water management district.

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**1070029-006-AG – 2012 Renewal**

**Emission Unit Details**

MANUFACTURER	MODEL NUMBER	SERIAL NUMBER	RATED CAPACITY
<b>Two (2) existing human crematory units:</b>			
<b>EU 001:</b>			
<b>B&amp;L Cremation Systems, Inc.</b>	<b>N20 Series</b>	<b>Not known</b>	<b>150 lb/hr</b>
<b>EU 002:</b>			
<b>B&amp;L Cremation Systems, Inc.</b>	<b>N20 Series</b>	<b>301-84E95</b>	<b>150 lb/hr</b>

**Design Calculations**

If this is an initial registration for a proposed new human crematory unit, provide design calculations to confirm a sufficient volume in the secondary chamber combustion zone to provide for at least a 1.0 second gas residence time at 1800 degrees F.

- Design calculations attached.
- Registration is not for proposed new human crematory unit(s).

**Facility Description, Fuel & Controls**

**These two (2) units are existing B&L Cremations Systems, Inc. Model N20 Series, 150 lb/hr human crematory incinerators. Each crematory is designed to burn human remains at the average incineration rate of 150 lb/hr. Each incinerator consists of primary and secondary (afterburner) chambers, fired on natural gas or LPG. The maximum total design heat input rate of each unit is 1.3 MMBtu/hr (0.3 MMBtu/hr, primary chamber, and 1.0 MMBtu/hr, secondary chamber).**

**Emissions are controlled by the afterburners, which maintain a minimum secondary chamber combustion zone temperature of 1600°F prior to and during combustion of material in the primary chambers. The secondary chambers are designed to ensure one-second residence time at a gas temperature of 1800°F, and are equipped with continuous temperature monitors and recorders, and stack opacity monitoring systems.**

2012 APR 25 PM 12:39  
 HUMAN CREMATORY  
 RE-REGISTRATION  
 DIVISION

# Southern Environmental Sciences, Inc.

1204 North Wheeler Street □ Plant City, Florida 33563 □ (813) 752-5014 □ Fax (813) 752-2475

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April 2012

DIVISION OF AIR  
RESOURCE MANAGEMENT

To: Florida Department of Environmental Protection (FDEP)

If by Overnight Delivery (FedEx, etc.):	If by regular U.S. Postal Service mail:
Department of Environmental Protection Receipts 3800 Commonwealth Blvd. Mail Station 77 Tallahassee, FL 32399 Phone: (850) 717-9000	Department of Environmental Protection Receipts PO Box 3070 Tallahassee, FL 32315-3070

**Re: Air General Permit Re-Registrations for Two (2) Permits:**

**Two (2) Human Crematory Units: Permit No. 1070029-006-AG (expires 06/08/2012)**

**One (1) Animal Crematory Unit: Permit No. 1070029-007-AG (expires 06/08/2012)**

**Southern Crematory, Inc. / Watts Funeral Home**

**720 S. Hwy 17**

**San Mateo, FL 32187 Putnam County**

Gentlemen:

On behalf of Southern Crematory, Inc., Southern Environmental Sciences, Inc. is pleased to submit the enclosed two (2) Re-Registration Forms for the above referenced existing, previously permitted two (2) human retorts and one (1) animal retort.

Also enclosed are two fee checks, each for the amount of \$100.00.

If you have any questions concerning these permit applications, please contact me at office phone (813) 752-5014 or email at: [lrobinson@sesfla.com](mailto:lrobinson@sesfla.com).

Sincerely,

SOUTHERN ENVIRONMENTAL  
SCIENCES, INC.



Lynn Robinson, P.E.  
Permitting Manager

Encl: Two (2) Air General Permit Re-Registration Forms and Two (2) \$100.00 fee checks

Cc: Mr. John Harris, Director of Cremations, Southern Crematory, Cell Phone: (386) 937-1919

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